

## **RAW SEQUENCE LISTING**

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Application Serial Number: 10/572,408  
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RAW SEQUENCE LISTING DATE: 04/02/2007  
 PATENT APPLICATION: US/10/572,408 TIME: 15:52:02

Input Set : A:\28622015.APP  
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3 <110> APPLICANT: ZWERSCHKE, WERNER PAUL  
 4 JANSEN-DUERR, PIDDER  
 5 FIEDLER, MARC  
 6 LAICH, ANDREAS  
 7 FITZKY, BARBARA  
 9 <120> TITLE OF INVENTION: COMBINATION OF ANTI-HPV-16 AND 18 ANTIBODIES AND USES  
 10 THEREOF  
 12 <130> FILE REFERENCE: 028622-0150  
 14 <140> CURRENT APPLICATION NUMBER: 10/572,408  
 15 <141> CURRENT FILING DATE: 2006-03-16  
 17 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/010484  
 18 <151> PRIOR FILING DATE: 2004-09-17  
 20 <150> PRIOR APPLICATION NUMBER: EP 03020564.5  
 21 <151> PRIOR FILING DATE: 2003-09-17  
 23 <160> NUMBER OF SEQ ID NOS: 23  
 25 <170> SOFTWARE: PatentIn Ver. 3.3  
 27 <210> SEQ ID NO: 1  
 28 <211> LENGTH: 297  
 29 <212> TYPE: DNA  
 30 <213> ORGANISM: Human papillomavirus  
 32 <400> SEQUENCE: 1  
 33 atgcatggag atacacctac attgcataaa tatatgttag atttgcacc agagacaact 60  
 34 gatctctact gttatgagca attaaatgac agctcagagg aggaggatga aatagatgg 120  
 35 ccagctggac aagcagaacc ggacagagcc cattacaata ttgttaacctt ttgttgcag 180  
 36 tggactcta cgcttcgggtt gtgcgtacaa agcacacacg tagacattcg tactttggaa 240  
 37 gacctgttaa tgggcacact aggaattgtg tgcccatct gttctcagaa accataa 297  
 40 <210> SEQ ID NO: 2  
 41 <211> LENGTH: 98  
 42 <212> TYPE: PRT  
 43 <213> ORGANISM: Human papillomavirus  
 45 <400> SEQUENCE: 2  
 46 Met His Gly Asp Thr Pro Thr Leu His Glu Tyr Met Leu Asp Leu Gln  
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 49 Pro Glu Thr Thr Asp Leu Tyr Cys Tyr Glu Gln Leu Asn Asp Ser Ser  
 50 20 25 30  
 52 Glu Glu Glu Asp Glu Ile Asp Gly Pro Ala Gly Gln Ala Glu Pro Asp  
 53 35 40 45  
 55 Arg Ala His Tyr Asn Ile Val Thr Phe Cys Cys Lys Cys Asp Ser Thr  
 56 50 55 60  
 58 Leu Arg Leu Cys Val Gln Ser Thr His Val Asp Ile Arg Thr Leu Glu  
 59 65 70 75 80  
 61 Asp Leu Leu Met Gly Thr Leu Gly Ile Val Cys Pro Ile Cys Ser Gln  
 62 85 90 95

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64 Lys Pro  
 68 <210> SEQ ID NO: 3  
 69 <211> LENGTH: 318  
 70 <212> TYPE: DNA  
 71 <213> ORGANISM: Human papillomavirus  
 73 <400> SEQUENCE: 3  
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 75 attccgggtt accttctatg tcacgagcaa ttaagcgact cagaggaaga aaacgatgaa 120  
 76 atagatggag ttaatcatca acatttacca gcccgcacgag ccgaaccaca acgtcacaca 180  
 77 atgttgtgtta tgtgttgtaa gtgtgaagct agaatttgc tagtagtata aagctcagca 240  
 78 gacgacattc gaggattcca gcagctgttt ctgaaaaccc tgcctttgt gtgtccgtgg 300  
 79 tgtgcatccc agcagtaa 318  
 82 <210> SEQ ID NO: 4  
 83 <211> LENGTH: 105  
 84 <212> TYPE: PRT  
 85 <213> ORGANISM: Human papillomavirus  
 87 <400> SEQUENCE: 4  
 88 Met His Gly Pro Lys Ala Thr Leu Gln Asp Ile Val Leu His Leu Glu  
 89 1 5 10 15  
 91 Pro Gln Asn Glu Ile Pro Val Asp Leu Leu Cys His Gln Leu Ser  
 92 20 25 30  
 94 Asp Ser Glu Glu.Glu Asn Asp Glu Ile Asp Gly Val Asn His Gln His  
 95 35 40 45  
 97 Leu Pro Ala Arg Arg Ala Glu Pro Gln Arg His Thr Met Leu Cys Met  
 98 50 55 60  
 100 Cys Cys Lys Cys Glu Ala Arg Ile Glu Leu Val Val Glu Ser Ser Ala  
 101 65 70 75 80  
 103 Asp Asp Leu Arg Ala Phe Gln Gln Leu Phe Leu Lys Thr Leu Ser Phe  
 104 85 90 95  
 106 Val Cys Pro Trp Cys Ala Ser Gln Gln  
 107 100 105  
 110 <210> SEQ ID NO: 5  
 111 <211> LENGTH: 8  
 112 <212> TYPE: PRT  
 113 <213> ORGANISM: Artificial Sequence  
 115 <220> FEATURE:  
 116 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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 119 <400> SEQUENCE: 5  
 120 Met His Gly Asp Thr Pro Thr Leu  
 121 1 5  
 124 <210> SEQ ID NO: 6  
 125 <211> LENGTH: 8  
 126 <212> TYPE: PRT  
 127 <213> ORGANISM: Artificial Sequence  
 129 <220> FEATURE:  
 130 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 131 peptide  
 133 <400> SEQUENCE: 6

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134 Gly Asp Thr Pro Thr Leu His Glu  
135 1 5  
138 <210> SEQ ID NO: 7  
139 <211> LENGTH: 8  
140 <212> TYPE: PRT  
141 <213> ORGANISM: Artificial Sequence  
143 <220> FEATURE:  
144 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
145 peptide  
147 <400> SEQUENCE: 7  
148 His Gly Asp Thr Pro Thr Leu His  
149 1 5  
152 <210> SEQ ID NO: 8  
153 <211> LENGTH: 6  
154 <212> TYPE: PRT  
155 <213> ORGANISM: Artificial Sequence  
157 <220> FEATURE:  
158 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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163 1 5  
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172 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
173 peptide  
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176 Ala His Tyr Asn Ile Val  
177 1 5  
180 <210> SEQ ID NO: 10  
181 <211> LENGTH: 6  
182 <212> TYPE: PRT  
183 <213> ORGANISM: Artificial Sequence  
185 <220> FEATURE:  
186 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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189 <400> SEQUENCE: 10  
190 Cys Asp Ser Thr Leu Arg  
191 1 5  
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195 <211> LENGTH: 6  
196 <212> TYPE: PRT  
197 <213> ORGANISM: Artificial Sequence  
199 <220> FEATURE:  
200 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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204 Leu Cys Val Gln Ser Thr  
205 1 5  
208 <210> SEQ ID NO: 12  
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210 <212> TYPE: PRT  
211 <213> ORGANISM: Artificial Sequence  
213 <220> FEATURE:  
214 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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217 <400> SEQUENCE: 12  
218 Thr Leu Glu Asp Leu Leu  
219 1 5  
222 <210> SEQ ID NO: 13  
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224 <212> TYPE: PRT  
225 <213> ORGANISM: Artificial Sequence  
227 <220> FEATURE:  
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231 <400> SEQUENCE: 13  
232 Met His Gly Pro Lys Ala Thr Leu  
233 1 5  
236 <210> SEQ ID NO: 14  
237 <211> LENGTH: 8  
238 <212> TYPE: PRT  
239 <213> ORGANISM: Artificial Sequence  
241 <220> FEATURE:  
242 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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245 <400> SEQUENCE: 14  
246 His Gly Pro Lys Ala Thr Leu Gln  
247 1 5  
250 <210> SEQ ID NO: 15  
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252 <212> TYPE: PRT  
253 <213> ORGANISM: Artificial Sequence  
255 <220> FEATURE:  
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259 <400> SEQUENCE: 15  
260 His Leu Glu Pro Gln Asn Glu Ile  
261 1 5  
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265 <211> LENGTH: 5  
266 <212> TYPE: PRT  
267 <213> ORGANISM: Artificial Sequence  
269 <220> FEATURE:  
270 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

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274 Met His Gly Pro Lys  
275 1 5  
278 <210> SEQ ID NO: 17  
279 <211> LENGTH: 6  
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281 <213> ORGANISM: Artificial Sequence  
283 <220> FEATURE:  
284 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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287 <400> SEQUENCE: 17  
288 Ala Thr Leu Gln Asp Ile  
289 1 5  
292 <210> SEQ ID NO: 18  
293 <211> LENGTH: 6  
294 <212> TYPE: PRT  
295 <213> ORGANISM: Artificial Sequence  
297 <220> FEATURE:  
298 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
299 peptide  
301 <400> SEQUENCE: 18  
302 His Leu Glu Pro Gln Asn  
303 1 5  
306 <210> SEQ ID NO: 19  
307 <211> LENGTH: 6  
308 <212> TYPE: PRT  
309 <213> ORGANISM: Artificial Sequence  
311 <220> FEATURE:  
312 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
313 peptide  
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316 Arg Ala Glu Pro Gln Arg  
317 1 5  
320 <210> SEQ ID NO: 20  
321 <211> LENGTH: 6  
322 <212> TYPE: PRT  
323 <213> ORGANISM: Artificial Sequence  
325 <220> FEATURE:  
326 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
327 peptide  
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330 Ala Glu Pro Gln Arg His  
331 1 5  
334 <210> SEQ ID NO: 21  
335 <211> LENGTH: 6  
336 <212> TYPE: PRT  
337 <213> ORGANISM: Artificial Sequence  
339 <220> FEATURE:

**VERIFICATION SUMMARY**  
**PATENT APPLICATION: US/10/572,408**

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